

# Converting Colors

$Yxy(75.1837, 0.2621, 0.3288)$

Have a look what the booklet for  
Yxy(75.1837, 0.2621, 0.3288)  
contains.

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# Color

**Yxy(75.3838, 0.2619, 0.3289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99F0F0
RGB	153, 240, 240
RGB Percent	60%, 94%, 94%
CMY	0.3998, 0.0588, 0.0590
CMYK	0.36, 0.00, 0.00, 0.06
HSL	180°, 74%, 77%
HSV	180°, 36%, 94%
XYZ	60.0274, 75.3838, 93.7885
YIQ	213.9870, -51.8520, -18.4440

# Conversions

## Conversions Part 2

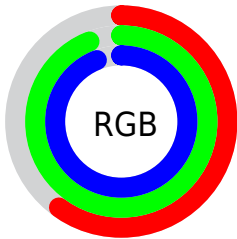
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 197, 240
Decimal	10088688
CIELab	89.57, -26.07, -8.27
CIELCh	90, 27.352, 197.606
Yxy	75.3838, 0.2619, 0.3289
Android (android.graphics.Color)	4288278768 (0xFF99F0F0)
YUV	213.9870, 12.8244, -53.4856
Hunter-Lab	86.8238, -28.5322, -3.2693

# Details

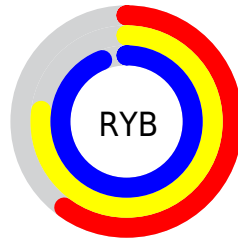
The Yxy color **75.3838, 0.2619, 0.3289** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **43.6305, 0.4006, 0.3292**, and the grayscale version is **67.1826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **40.2831, 0.2508, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **73.2797, 0.2511, 0.3289**, and if you desaturate by 10%, it is **77.9635, 0.2744, 0.3289**.

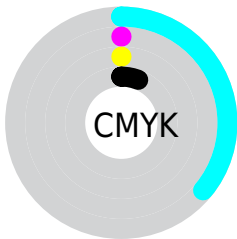
# Distribution



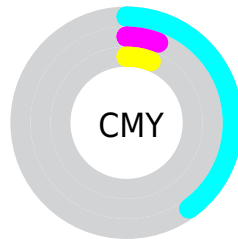
- Red (60%)
- Green (94%)
- Blue (94%)



- Red (60%)
- Yellow (77%)
- Blue (94%)



- Cyan (36%)
- Magenta (0%)
- Yellow (0%)
- Black (6%)




- Cyan (40%)
- Magenta (6%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.3838, 0.2619, 0.3289 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 75.3838, 0.2619, 0.3289 by changing the saturation by 10% instead.




 75.3838, 0.2619,  
0.3289

 75.3838, 0.2619,  
0.3289


479.2357, 0.2849,  
0.3294

 55.9274, 0.2568,  
0.3287

 126.8555, 0.2698,  
0.3292

 40.1447, 0.2505,  
0.3284


 159.6396, 0.2729,  
0.3292

 27.6514, 0.2427,  
0.3279


197.6349, 0.2756,  
0.3293

 18.0630, 0.2326,  
0.3271

241.2261, 0.2779,  
0.3293

 10.9952, 0.2192,  
0.3259

290.7973, 0.2800,  
0.3293

 6.0636, 0.2006,  
0.3236

346.7331, 0.2818,

 2.8838, 0.1733,

0.3294

409.4177, 0.2834,  
0.3294

0.3190

1.0714, 0.1092,  
0.3155

0.0000, 0.0000,  
0.0000

75.3838, 0.2619,  
0.3289

75.3838, 0.2619,  
0.3289

73.2797, 0.2511,  
0.3289

77.9635, 0.2744,  
0.3289

71.6141, 0.2421,  
0.3289


81.0359, 0.2882,  
0.3290


70.3584, 0.2350,  
0.3289

84.6280, 0.3030,  
0.3290

69.4774, 0.2299,  
0.3289


88.7623, 0.3187,  
0.3290


 68.9293, 0.2266,  
0.3289


 89.8724, 0.3226,  
0.3290

 68.6627, 0.2251,  
0.3289

 89.8731, 0.3226,  
0.3290

 68.6040, 0.2247,  
0.3289

 89.8738, 0.3226,  
0.3290

 89.8746, 0.3226,  
0.3290

 89.8753, 0.3226,  
0.3290

# Harmonies

## Analogous

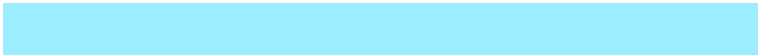
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.3838, 0.2852, 0.3598



75.3838, 0.2619, 0.3289



75.3838, 0.2519, 0.3001

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.3838, 0.2619, 0.3289



75.3838, 0.3061, 0.2827



75.3838, 0.3708, 0.3754

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



75.3838, 0.2619, 0.3289



43.6305, 0.4006, 0.3292

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.3838, 0.3776, 0.3526



75.3838, 0.2619, 0.3289



75.3838, 0.3392, 0.3007

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.3838, 0.2619, 0.3289



75.3838, 0.2764, 0.2755



75.3838, 0.3659, 0.3257



75.3838, 0.3481, 0.3869



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.3838, 0.2619, 0.3289



75.3838, 0.2537, 0.2861



75.3838, 0.3659, 0.3257



75.3838, 0.3750, 0.3687

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



75.3868, 0.2619, 0.3289



95.0618, 0.2958, 0.3290



71.5420, 0.3084, 0.4384



20.2280, 0.2938, 0.3290



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.3868, 0.2619, 0.3289



84.7880, 0.2542, 0.3289



53.4478, 0.2546, 0.2774



17.9289, 0.2981, 0.3290



37.5550, 0.2247, 0.3289



3.1243, 0.2247, 0.3289



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



43.6305, 0.4006, 0.3292



43.6748, 0.4264, 0.3293



59.8935, 0.3836, 0.3752



15.7590, 0.3293, 0.3290



10.1412, 0.6400, 0.3299

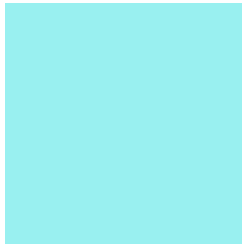


0.8437, 0.6399, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 75.3838, 0.2619, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

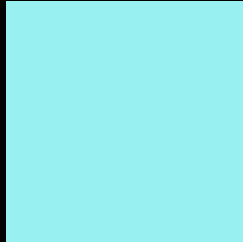
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.3838, 0.2619, 0.3289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

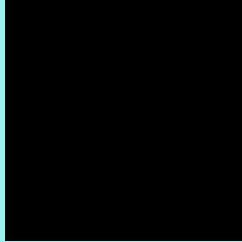
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.3838, 0.2619, 0.3289**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.3838, 0.2619, 0.3289.

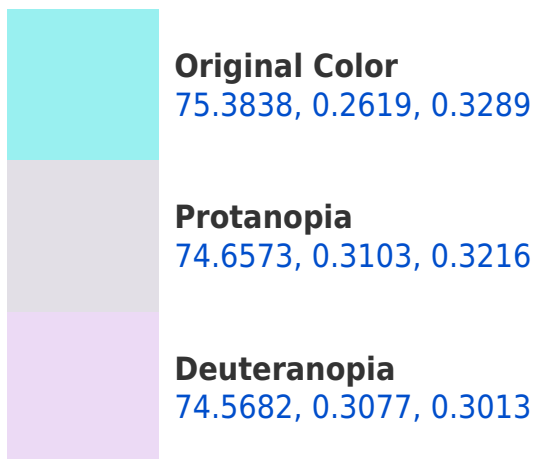


This preview shows how white text looks on a background with the Yxy color 75.3838, 0.2619, 0.3289.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





## Tritanopia

75.4698, 0.2586, 0.3086

# Trichromacy



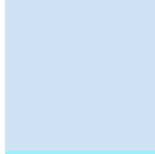
## Original Color

75.3838, 0.2619, 0.3289



## Protanomaly

74.1212, 0.2898, 0.3234



## Deuteranomaly

73.9856, 0.2889, 0.3105



## Tritanomaly

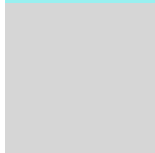
75.4221, 0.2596, 0.3152

# Monochromacy



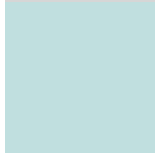
## Original Color

75.3838, 0.2619, 0.3289



## Achromatopsia

67.2443, 0.3127, 0.3290



## Achromatomaly

69.3095, 0.2916, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.3838, 0.2619, 0.3289 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(153, 240, 240)` looks like.

```
.text, #text, p{  
    color:rgb(153, 240, 240)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(153, 240, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 240, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 75.3838, 0.2619, 0.3289 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 240, 240) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(153, 240, 240) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(153, 240, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 240, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 240, 240);  
box-shadow:4px 4px 4px 4px rgb(153, 240,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.3838, 0.2619, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 240, 240) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(153,  
240, 240) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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